

Chapter 6: Services Utilization

Background

Depression is associated with higher health care utilization (Brown, 1995; Howland, 1993; Mechanic, 1995; Simon, VonKorff, and Barlow 1995; Fischer et al., 2002). After controlling for medical comorbidity, depressed patients in many health care settings have more outpatient visits and longer hospital stays than non-depressed patients (Callahan et al., 1994; Huang et al., 2000). A large HMO study reported a 19% increase in outpatient encounters over a one-year period among depressed patients compared to nondepressed patients (Callahan et al. 1994). In Medicare patient samples, elderly patients with depression had more frequent hospital readmissions, diagnostic uncertainty, and complex medical conditions. (Moak, 2000; Marcantonio et al.1999).

Research suggests that cost-efficient care for patients with long-term disorders, such as depression, requires an optimal mix of acute care, extended care, and outpatient clinical services. Thus, we report utilization data for a wide range of services, including outpatient treatment and a variety of 24-hour institutional services.

All utilization data were obtained from the nationwide VA Patient Treatment File (PTF) and Outpatient Care Files (OPC) located at the Austin Automation Center in Austin, Texas.

Hospital Utilization

Approximately 10% of depressed patients seen in specialty settings had a psychiatric hospitalization during the year; approximately 12% had a non-psychiatric inpatient stay. Approximately 1.8% had both a psychiatric and a medical inpatient admission during the year.

Less than one percent (n=201) of depressed patients were only treated as inpatients, while 19.5% (n=59,577) had both inpatient and outpatient care.

The average inpatient length of stay in FY02 was 9 days, with psychiatric admissions having an average length of stay of 11 days and non-psychiatric admissions having an average length of stay of 8 days.

Large HMO's have reported psychiatric and medical hospitalization rates of 4% and 13%, respectively over a six month time period for depressed patients diagnosed in specialty settings (Katon, Personal communication, GHC database, Sept. 2002).

Other Institutional Care

Two and a half percent of patients in the depression registry had some domiciliary and vocational utilization in FY02, with an average length of stay of 75 days; 1.3% had nursing home care. (Domiciliary/Vocational care were defined using bedsection codes: Vocational (28, 29) and Domiciliary (85, 86, 87, 88).

Outpatient Utilization

The average number of clinic stops per patient in FY02 was 34 and the average number of psychiatric stops was 13. The average number of non-psychiatry clinic stops per patient in FY02 was 21.

In a large HMO, depressed patients averaged almost 18 total outpatient visits in one year for patients with depressive symptoms (Callahan et al. 1994). The 1997 Medical Expenditure Panel survey of the U.S. general population showed that the average number of depression-related outpatient visits in one year was 7.5 for depressed patients (Olfson et al. 2002). Thus outpatient use was higher among depressed veterans receiving specialty care. (See chapter 8 for more detailed information about outpatient use in VA specialty versus non-specialty settings.)

Psychiatric Comorbidity and Utilization

Patients with comorbid depression used significantly more inpatient and outpatient services in FY02 than patients with depression alone. Patients with one comorbidity had 1.5 times as many outpatient visits as did patients with depression alone and patients with two or more comorbidities had 2.3 times as many outpatient visits. Nine percent of patients with depression alone, 42% of patients with one comorbidity, and 49% with two or more comorbidities had a psychiatric hospitalization during FY02.

Table 6.A:
Hospital Based Utilization

<i>Among patients with utilization</i>						All
		Dep/OthAnx	Dep/SAbuse	Dep/PTSD	Comp.Dep	
All Patients		N=158,768	67,890	57,720	20,744	305,122
Pts. with utilization	% (N)	12% (19,052)	40.1% (27,224)	15.1% (8,716)	23.2% (4,813)	19.6% (59,804)
Inpatient stays	Median	1	1	1	1	1
	Mean	1.6	1.8	1.5	1.7	1.7
	Std	1.1	1.5	1	1.2	1.3
Length of Stay	Median	4	6	4.5	6	5
	Mean	7.3	10.7	7.5	11.9	9.2
	Std	14.4	21.8	11.8	23.3	18.7
Cumulative Days of Stay	Median	6	9	6	9	7
	Mean	11.4	18.2	11.5	19.3	15.1
	Std	20.5	31.3	18.2	32.8	26.9
						All
Cumulative DOS, %		Dep/OthAnx	Dep/SAbuse	Dep/PTSD	Comp.Dep	
1 to 7	60.4	45.2	57.8	44.3	51.8	
8 to 14	18.8	23	20.3	20.5	21.1	
15 to 44	16.6	23.6	18.2	25	20.7	
45 to 89	3.2	5	3	7.2	4.3	
90 to 179	0.8	2.4	0.6	2.2	1.6	
180 to 359	0.2	0.8	0.1	0.7	0.5	
360+	0.1	0.1	0	0.1	0.1	
All	100	100	100	100	100	

Table 6.B:
Non-Psych Hospitalization

<i>Among patients with Non-Psych Stays</i>						All
		Dep/OthAnx	Dep/SAbuse	Dep/PTSD	Comp.Dep	
	All Patients	N=158,768	67,890	57,720	20,744	305,122
Pts. With non-psych stays	% (N)	10% (15,877)	16.6% (11,270)	10% (5,772)	14.4% (2,987)	11.8% (N=36,004)
Inpatient stays	Median	1	0	1	1	1
	Mean	1.3	0.7	1	1	1
	Std	1.2	1.1	1.1	1.2	1.2
Length of Stay	Median	4	4	3	4	4
	Mean	6.4	11.7	5.5	7.8	8
	Std	10.7	28.7	8.5	15.6	18.6
Cumulative Days of Stay	Median	4	0	2	2	2
	Mean	8.7	6.7	5.7	7.7	7.3
	Std	16	22.8	12.3	17.4	19.1
		Dep/OthAnx	Dep/SAbuse	Dep/PTSD	Comp.Dep	All
Cumulative DOS, %						
0	16.3	58.5	33.7	38	39.8	
1 to 7	52.9	25.2	46.1	36.5	38	
8 to 14	14.5	6.8	10.5	10.8	10.1	
15 to 44	13.3	6.1	8.1	11.5	9.1	
45 to 89	2.4	1.7	1.2	2.4	1.9	
90 to 179	0.5	1.3	0.3	0.6	0.9	
180 to 359	0.1	0.4	0	0.1	0.2	
360+	0	0	0	0	0	
All	100	100	100	100	100	

Table 6.C:
Psychiatric Hospitalization

Among patients with Psych Stays						All
		Dep/OthAnx	Dep/SAbuse	Dep/PTSD	Comp.Dep	
All Patients		N=158,768	67,890	57,720	20,744	305,122
Pts. With psych stays	% (N)	2.4% (3,810)	29.2% (19,824)	6.1% (3,521)	11% (2,282)	9.6% (29,292)
Inpatient stays	Median	0	1	0	0	0
	Mean	0.2	1.2	0.5	0.7	0.7
	Std	0.6	1.3	0.8	1	1.1
Length of Stay	Median	7	7	7	10	7
	Mean	11.5	10.3	11.1	17.3	11.1
	Std	24.5	18.6	15.6	29.5	20.2
Cumulative Days of Stay	Median	0	6	0	0	0
	Mean	2.7	11.5	5.8	11.6	7.9
	Std	14	22.7	14.9	29.8	20.5
				All		
Cumulative DOS, %	Dep/OthAnx	Dep/SAbuse	Dep/PTSD			
0	80.3	27.2	59.8	52.8	50.9	
1 to 7	10.6	32.2	18	15.1	21.9	
8 to 14	5	18.8	10.4	12.1	12.6	
15 to 44	3.2	17.5	9.9	13.6	11.5	
45 to 89	0.7	3	1.6	4.4	2.2	
90 to 179	0.2	0.9	0.3	1.4	0.6	
180 to 359	0.1	0.3	0.1	0.6	0.2	
360+	0.1	0	0	0.1	0	
All	100	100	100	100	100	

Table 6.D:
Domiciliary/Vocational Care

Among patients with Dom/Voc Care						All
		Dep/OthAnx	Dep/SAbuse	Dep/PTSD	Comp.Dep	
	All Patients	N=158,768	67,890	57,720	20,744	305,122
Pts. With dom/voc care	% (N)	0.2% (318)	10.2% (6,925)	0.6% (346)	0.40% (83)	2.50% (7,628)
Number of stays	Median	1	1	1	1	1
	Mean	1.1	1.1	1.1	1.1	1.1
	Std	0.2	0.4	0.4	0.3	0.4
Length of Stay	Median	91	45	44	123	45.5
	Mean	149.6	71.4	77.7	164.1	75.6
	Std	132.5	72.3	91.2	139.6	79.2
Cumulative Days of Stay	Median	94.5	51	45	123	52
	Mean	155.4	78.8	82.9	172.3	82.9
	Std	133.9	76.7	94.3	141.8	83.1
				All		
Cumulative Days of Stay, %	Dep/OthAnx	Dep/SAbuse	Dep/PTSD			
1 to 7	3.7	6	7	7.6	5.9	
8 to 14	6.6	6.1	4.9	3.3	6	
15 to 44	16.9	33.9	36.8	13	33.1	
45 to 89	20.6	21.2	24.6	17.4	21.3	
90 to 179	13.6	22.8	12.2	19.6	22	
180 to 359	18.4	8.4	9.9	10.9	8.9	
360+	20.2	1.7	4.6	28.3	2.8	
All	100	100	100	100	100	

Table 6.E:
Nursing Home Care

<i>Among patients with Nursing Home Care</i>						All
		Dep/OthAnx	Dep/SAbuse	Dep/PTSD	Comp.Dep	
	All Patients	N=158,768	67,890	57,720	20,744	305,122
Pts. with nursing home care	% (N)	1.1% (1,746)	1.5% (1,018)	0.9% (520)	3.9% (809)	1.3% (3.967)
Number of stays	Median	1	1	1	1	1
	Mean	1.2	1.2	1.2	1.3	1.2
	Std	0.6	0.5	0.6	0.6	0.6
Length of Stay	Median	25	28	26	29	27
	Mean	46.4	41	44.5	53.8	46.3
	Std	57.8	46.4	54.2	68.2	57.2
Cumulative Days of Stay	Median	30	31	30	32	31
	Mean	53.1	46.8	53	63	53.5
	Std	63.6	53.4	62.7	76.9	64.3
					All	
Cumulative DOS, %	Dep/OthAnx	Dep/SAbuse	Dep/PTSD	Comp.Dep		
1 to 7	11.5	15.5	15.6	10.7	12.9	
8 to 14	16.1	12.4	15.4	17.5	15.4	
15 to 44	38	39.1	32.9	30.9	36.2	
45 to 89	16.8	18.9	18.3	19	18	
90 to 179	10.9	9.9	11.5	13.4	11.2	
180 to 359	6.2	4.2	6.2	7.1	5.9	
360+	0.5	.	0.2	1.3	0.5	
All	100	100	100	100	100	

Table 6.F:
Outpatient Care

<i>Among patients with Outpatient Care</i>						All
		Dep/OthAnx	Dep/SAbuse	Dep/PTSD	Comp.Dep	
	All Patients	N=158,768	67,890	57,720	20,744	305,122
	%	99.9%	99.9%	100.0%	99.9%	99.9%
Annual clinic stops	Median	17	31	26	24	21
	Mean	24.1	56.5	35.5	37.6	34.4
	Std	25.4	70.9	36.7	50.3	45.2
Annual non-psych stops	Median	13	16	16	17	14
	Mean	18.9	23.8	21.9	23.9	20.9
	Std	21.5	26.2	23.2	27.2	23.5
Annual psych stops	Median	3	10	7	5	4
	Mean	5.2	32.6	13.7	13.6	13.5
	Std	10.7	57.5	23.5	36.9	33.3
Annual visit days	Median	12	21	19	17	15
	Mean	16.5	34.6	24.7	25.1	22.7
	Std	16	41.8	22.8	29.2	27
					All	
Outpatient visit days, %		Dep/OthAnx	Dep/SAbuse	Dep/PTSD	Comp.Dep	All
1 to 12 days		50.4%	31.1%	31.5%	34.4%	41.4%
13 to 24 days		30.5%	25.2%	32.3%	33.1%	29.8%
25 to 36 days		11.2%	14.8%	17%	15.8%	13.4%
37 to 48 days		4.2%	8.6%	8.9%	6.8%	6.3%
49+ days		3.6%	20.2%	10.4%	9.9%	9%
Some Non mental health-specialty care		85.7%	77%	87.1%	85.1%	84%
Some Non mental health-specialty care for Depression		15.5%	16.6%	12.7%	14.6%	15.2%

Section 6.A:

Overall Hospital-Based Utilization by VISN

Number of patients		Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23	
		15,261	8,357	11,389	13,786	7,424	13,955	17,387	28,388	14,096	12,800	12,166	11,393	14,167	27,988	13,648	13,329	8,791	15,508	13,814	17,217	14,258	
Percent with Use		Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23	
		19.6	16.8	17.2	17.3	27.8	22.3	19.4	17.2	23.2	19.1	19.3	24.6	21.8	18.7	20.5	20	20.2	20.8	16.7	16.5	19.6	
For those with Use																							
Inpatient Stays	Mean	1.8	1.7	1.7	1.6	1.9	1.8	1.6	1.7	1.7	1.7	1.7	1.8	1.7	1.6	1.8	1.7	1.6	1.6	1.7	1.6	1.7	
	Std	1.4	1.4	1.2	1.2	1.6	1.4	1.2	1.3	1.3	1.3	1.3	1.4	1.3	1.2	1.5	1.2	1.2	1.1	1.3	1.2	1.3	
Length of Stay	Mean	13.1	7.67	11.2	9.64	9.41	9.33	9.2	7.67	8.32	12.26	8.41	11.58	9.03	10.24	9.91	6.14	8.06	9.2	8.31	8.45	6.38	9.23
	Std	27.4	13.3	20.5	22.35	19.62	15.54	17.34	11.91	17.81	25.53	16.07	29.61	15.68	19.36	21.16	6.49	10.15	21.93	15.24	12.51	11.59	18.66
Cumulative days of stay	Mean	22	12.7	18.7	15.3	17.4	16.1	14.5	12.8	13.7	19.1	13.9	18.4	15	16.7	16.7	10.5	13.7	13.5	13.8	13.4	10.5	15.1
	Std	39.8	18.9	31.1	29.2	30.9	25.8	23.9	19.9	24.9	35.7	23.6	37.4	25	29.5	30.3	14.6	20.7	24.8	22.4	20.2	17	26.9
DOS, %	Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23	Total	
1 to 7 days	47	51.7	44.8	49.7	50.8	46	51.5	54.8	54.6	51.5	50.9	48.7	51.2	53.2	48.4	57.4	51.3	52	51	53.3	62.2	51.8	
8 to 14	19.6	22.8	19.8	22.2	20.5	22.9	22	20.7	21.4	20.4	24	22.3	22.2	19	21.2	20.5	21	22	22.1	20.1	17.9	21.1	
15 to 44	22.1	21.1	26.8	21.9	20.1	24.6	20.3	19.4	18.6	18	19.7	21.4	19.6	19.1	23.2	19.4	21.7	22	21.7	21.3	16.8	20.7	
45 to 89	6.1	3.5	5.7	4.4	5.2	4.5	4.5	3.9	3.4	5.4	3.9	3.9	5	5.7	4.7	2.4	4.9	2.7	3.7	4	2.5	4.3	
90 to 179	3.9	0.7	2.3	1.1	2.8	1.4	1.4	0.9	1.6	3.2	1.1	2.1	1.6	2.4	1.6	0.3	0.8	0.9	1.2	1.2	0.5	1.6	
180 to 359	1.1	0.1	0.6	0.5	0.5	0.6	0.3	0.2	0.3	1.3	0.3	1.4	0.5	0.6	0.7	0.1	0.3	0.5	0.2	0.1	0.1	0.5	
360+	0.2	0.1	0.1	0.3	0.1	0	0	0	0.1	0	0.1	0.1	0	0	0.1	0	0	0.1	0	0	0	0.1	
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Section 6.B:

Non-Psychiatric Utilization by VISN

Number of patients	Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Vi 23
	15,261	8,357	11,389	13,786	7,424	13,955	17,387	28,388	14,096	12,800	12,166	11,393	14,167	27,988	13,648	13,329	8,791	15,508	13,814	17,217	14,258

																							All	
		Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23		
Percent with Use		10	10	10.5	10.2	13.7	11.4	11.7	12.1	13.3	11.8	11.1	15.1	13.5	11.7	11.7	13.5	12.2	11.8	10.1	10.2	13	11.8	
For those with Use																								
Inpatient Stays	Mean	0.8	0.9	1	0.9	0.8	0.8	0.9	1.1	0.9	1	0.9	1	1	1	0.9	1.1	0.9	0.9	0.9	0.9	1	1	
	Std	1.1	1.2	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2	
Length of Stay	Mean	12	6.3	8.9	5.8	10.3	8.1	8.6	8.1	8.2	14.8	5.3	11.2	7.3	9.3	8.3	4.7	5.9	5.6	6.4	6.3	5.6	8	
	Std	26.5	9.3	14.8	8.1	24.7	19.1	19.3	13.8	20.7	32.8	8.8	34	18.4	20.1	18.4	5.8	8.4	14.4	13.3	11.7	8.4	18.6	
Cumulative days of stay	Mean	8.1	6	9.2	5.8	7.8	6.1	7.4	8.9	7.1	12	5.3	9.7	6.8	8.7	7.1	5.5	5.7	5	5.8	5.9	6	7.3	
	Std	22.3	12.3	21.6	13.6	23.7	16.5	19.4	18.3	19.6	30.5	13.3	30.6	18.2	22.1	19.4	10.4	12.8	13.6	14	13.2	11.5	19.1	
																								Total
DOS, %		Visn1	Vis2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23		
0 days		49.2	40.8	39.3	41.3	50.7	49	39.6	29.6	42.8	38.1	42.8	38.5	38.2	37.4	42.9	32.2	39.5	43.5	39.6	38	33.5	39.8	
1 to 7		30.3	36.2	33.8	38.2	30.7	31.2	39.7	40.8	36.2	35.6	38.8	38	40.4	38.5	35.1	47	39	39.1	39.5	40.2	44	38	
8 to 14		7.7	10.3	9.8	9.9	6.9	9.6	9	12.4	9.5	9.8	9.3	10	10.8	10.8	10.4	10.8	11.4	8.5	10.9	10.9	11.4	10.1	
15 to 44		8.4	11	12.9	8.5	7.4	7.8	8	13.5	8.7	9.1	7.7	9.6	8	8.7	8.9	8.8	8.6	7.6	8.3	9.2	9.7	9.1	
45 to 89		2.2	1.4	2.9	1.8	2.7	1.5	2.4	2.9	1.8	4	1	1.7	1.6	2.6	1.6	1	1.1	0.9	1.4	1.3	1.2	1.9	
90 to 179		2.1	0.2	1	0.3	1.4	0.6	1.1	0.7	0.9	2.6	0.3	1.2	0.8	1.6	0.8	0.2	0.3	0.3	0.3	0.4	0.3	0.9	
180 to 359		0.1	0.1	0.3	.	0.2	0.2	0.2	0.2	0.8	0.2	0.9	0.3	0.3	0.2	0	0.1	0.1	0.1	0.1	0	0	0.2	
360+		0	0	0	0	0.1	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	
Total		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Section 6.C:

Psychiatric Utilization by VISN

Number of patients	Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23
	15,261	8,357	11,389	13,786	7,424	13,955	17,387	28,388	14,096	12,800	12,166	11,393	14,167	27,988	13,648	13,329	8,791	15,508	13,814	17,217	14,258

																							All
		Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23	
Percent with Use		11.76	8.2	8.25	8.61	17.71	13.16	9.54	6.35	12.05	9.34	10.25	12.1	10.76	8.69	10.95	8.07	9.79	10.72	8.02	7.44	8.18	9.62
For those with Use																							
Inpatient Stays	Mean	1	0.7	0.7	0.7	1.1	0.9	0.7	0.5	0.7	0.7	0.8	0.8	0.7	0.7	0.9	0.6	0.7	0.7	0.8	0.7	0.6	0.7
		1.3	1.1	1	1	1.4	1.2	1	1	1	1	1.2	1	1	1.3	1	1	0.9	1.2	1	1.1	1.1	
Length of Stay	Mean	Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23	
		14.8	9.3	14	14.2	9.2	11.1	10.1	7	8.8	10.7	11.8	12.5	11.9	12	12	8.7	11.1	12.8	10.7	11.4	7.7	11.1
Cumulative days of stay	Std	30.7	16.4	24.9	30.4	17.7	16.7	15.2	7.6	14.8	20	20.6	26.8	16.2	21.2	24.2	7.2	12	26.3	16.6	13.7	15.6	20.2
		13.8	6.6	9.5	9.5	9.6	10	7.1	3.8	6.7	7.1	8.6	8.7	8.2	7.9	9.7	5.1	8	8.5	8	7.5	4.6	7.9
DOS, %																							Total
0 days	40	51.2	52.1	50.3	36.3	40.9	50.8	63	48.1	51.1	47	50.7	50.7	53.6	46.6	59.7	51.6	48.5	51.9	54.9	58.3	50.9	
1 to 7		25.7	22.6	17.7	18.6	32	22.5	20.4	21.4	26.9	24.1	21.9	20.2	20.4	22.2	21.2	17.9	19.5	19.8	18.7	19.3	26.3	21.9
8 to 14		13.8	13.5	12.1	13.9	14.9	15.8	14.2	9	13.4	12.6	16.3	13.7	13.7	9.9	13.7	10.8	11.9	15.7	13.5	10.4	7.7	12.6
15 to 44		13.8	10.5	14.3	13.5	12.8	17.2	12.3	5.7	9.5	9.6	11.2	12	11.3	10.5	14.5	10.4	13.2	13.5	13	12.2	6.3	11.5
45 to 89		3.9	1.7	2.3	2.3	2.7	2.6	2	0.7	1.6	1.8	2.6	1.8	3.2	2.9	2.8	1.2	3.3	1.4	2	2.4	1.1	2.2
90 to 179		1.7	0.4	1.1	0.8	1.2	0.7	0.1	0.1	0.4	0.6	0.8	1	0.6	0.6	0.8	0.1	0.4	0.6	0.7	0.8	0.3	0.6
180 to 359		0.8	0.	0.3	0.4	0.2	0.3	0.1	0.1	0.1	0.2	0.1	0.4	0.1	0.3	0.4	0	0.2	0.4	0.2	0	0.1	0.2
360+		0.2	0.1	0.1	0.2	0	0	0	0.1	0	0.1	0.1	0	0	0.1	0	0	0	0	0	0	0	0
Total		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Section 6.D:

Nursing Home Care by VISN

Number of patients	Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Vis23
	15,261	8,357	11,389	13,786	7,424	13,955	17,387	28,388	14,096	12,800	12,166	11,393	14,167	27,988	13,648	13,329	8,791	15,508	13,814	17,217	14,258

																						All	
		Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23	
Percent with Use		1.3	1.8	0.8	1.6	1.2	0.9	0.7	1.2	1	1.4	1.4	1.6	1.8	0.6	1.3	1.9	0.6	1.4	1.9	1.5	2.9	1.3
For those with Use																							
Number of Stays	Mean	1.3	1.2	1.1	1.3	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.2	1.4	1.2	1.2	1.2	1.2
	Std	0.8	0.5	0.3	0.6	0.4	0.4	0.2	0.5	0.7	0.5	0.5	0.3	0.6	0.4	0.4	0.5	0.5	0.5	1.2	0.5	0.5	0.6
Length of Stay	Mean	38.5	36.6	86.4	43.2	46.1	56.4	62	48.3	45.7	57	49.5	42.2	39.4	56.8	64.4	33.5	49	35.6	47.5	46.9	37.4	46.3
	Std	53.4	45.1	85.6	48.3	59.1	60.3	63.9	59.5	45.4	70.9	50.9	55.1	48	63.2	76.3	39.3	53	49.9	60.8	57.6	50	57.2
Cumulative days of stay	Mean	51.1	43.4	91.6	53	54.3	60	64.8	56.8	53	63.5	59.7	46.1	44	63.3	71.3	41.7	59.1	40.6	57.4	54.9	42.6	53.5
	Std	72.8	50.4	86.5	56.9	72.1	62.7	68.5	68.1	55.4	75.7	67.3	58.9	48.8	69.4	81.5	50.7	61.8	53.1	70	66.9	53.6	64.3
DOS, %																							Total
	Visn1	Vis2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23		
1 to 7 days	20.2	13.3	8.5	15.7	22	6.1	5	8.1	8.8	10.3	8.7	16.7	12	12.3	12.1	10.5	12.7	11.2	16.9	10.3	20.1	12.9	
8 to 14	10.6	19.3	7.4	13.8	15.4	14.4	19.3	22.3	6.6	13.8	12.8	12.4	16.5	11	11.5	24.2	9.1	21.4	10	16.6	15.8	15.4	
15 to 44	42.4	38.7	21.3	29	29.7	36.4	27.7	30.9	51.5	35.6	36.6	46.8	37.8	38	30.5	37.9	38.2	43.7	34.6	35.6	34.9	36.2	
45 to 89	12.6	14.7	23.4	20.3	14.3	22.7	26.9	19.4	19.9	19.5	21.5	11.3	22.1	12.9	22.4	14.5	18.2	13	18.1	19.8	16	18	
90 to 179	6.1	10.7	23.4	17.1	9.9	14.4	10.1	11.8	6.6	10.3	14.5	7	8.8	16	13.2	10.1	12.7	7	13.1	10.7	10.3	11.2	
180 to 359	7.6	3.3	12.8	3.7	8.8	5.3	10.1	6.9	6.6	9.8	5.8	5.4	2.4	9.8	9.2	2.8	9.1	3.7	6.5	6.3	2.4	5.9	
360+	0.5	0	3.2	0.5	0	0.8	0.8	0.6	0	0.6	0	0.5	0.4	0	1.1	0	0	0	0.8	0.8	0.5	0.5	
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Section 6.E: Outpatient Utilization by VISN

Non-Psychiatric Utilization by VISN																							All	
		Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23		
Percent with Use		99.9	100	99.9	100	99.9	100	99.9	100	99.9	99.9	99.9	99.9	100	99.9	99.9	100	99.9	99.9	99.9	99.9	99.9	99.9	
For those with Use																								
OP visit days	Mean	26.6	26.4	27.6	20.5	31.7	18.8	20.9	21.1	17.2	24.6	20	30.4	20	19.1	22.8	21.3	21.6	23.2	25.7	25.8	23	22.7	
	Std	32.7	30	36.5	26.4	42.9	21.5	22.9	20.7	15.6	30.4	25.2	40	23.6	21.3	26.7	19.5	20	23.8	30.5	31.3	27.6	27	
DOS, %		Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23	Total	
1 to 12 Visit Days		37.6	35.7	42.1	46.2	38.1	46.7	43.6	37.9	46.9	38.4	49	36.3	45.6	46.7	41.5	38.2	39	38.4	35.7	37.8	43	41.4	
13 to 24		28.5	29.7	25	29.7	25	31	29.6	34.2	32.2	29.4	27.4	26.6	30.4	31.3	29.6	31.8	31.4	29.1	29.8	28.4	27.7	29.8	
25 to 36		13.5	14.7	11.8	11.9	12.9	12.3	13.3	14.9	12.4	14.7	11.5	14.6	12.3	11.2	13.5	15.8	14.3	14.7	15.3	14.4	12.9	13.4	
37 to 48		7.7	7.2	6.8	5.3	6.8	4.9	5.9	6.4	4.7	6.9	4.9	7.2	5.2	4.7	6.2	6.8	6.9	7.6	7.6	7.4	6.5	6.3	
49+		12.6	12.7	14.3	6.9	17.2	5.2	7.7	6.6	3.8	10.6	7.3	15.3	6.5	6.1	9.2	7.4	8.4	10.2	11.6	12	9.9	9	
Total		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Had Non MH-Specialty Care, %		Visn1	Visn2	Visn3	Visn4	Visn5	Visn6	Visn7	Visn8	Visn9	Visn10	Visn11	Visn12	Visn15	Visn16	Visn17	Visn18	Visn19	Visn20	Visn21	Visn22	Visn23	All	
		82.2	87.5	80.3	82.2	80.7	83.4	84.6	89.6	84.8	84.7	85.3	84.7	84.8	85.5	88	85.2	83.3	76.4	83.7	82.6	77.1	84	
Total Clinic stops	Mean	37.8	39.1	40.6	30.1	49.1	28.5	33.1	31.5	27.5	37.1	30.6	49.4	31.6	28.9	34.3	31.6	30.7	33.2	35.4	37.9	42.7	34.4	
	Std	49.2	51.8	58.8	38.3	71	33.7	43	36.5	27.4	50.1	41.1	68.2	40.3	34.4	40.9	32.3	32.6	36.8	48.7	54.1	58.9	45.2	
Non-Psych Clinic Stops	Mean	20.2	21.4	22.4	18.4	25.1	19.3	20.7	23.2	20.7	18.6	18.2	25.5	19.5	18.9	23.4	21.1	19.2	19.3	19.5	23.3	22.9	20.9	
	Std	23.8	25.1	27.2	20.3	29	21.5	22.2	22.6	20.7	19.4	20.7	28.1	22.3	19	26.5	21.7	20.3	22.1	21.4	30.3	28.2	23.5	
Psych Clinic Stops	Mean	17.7	17.7	18.1	11.8	24	9.2	12.4	8.3	6.7	18.5	12.4	23.8	12.1	10.1	10.8	10.6	11.5	13.8	15.9	14.6	19.8	13.5	
	Std	37.7	39.6	44.6	29.1	56	21.9	28.4	23.2	15.1	42	31.4	55.5	28.5	24.5	25.2	20.7	21.7	25.3	39.1	37.3	45.7	33.3	
Had Non MH-Specialty care for depression%		13.8	14.4	15.4	14	13.8	17.7	14.3	15.2	18.1	12	14.9	15.7	14.6	15.9	18.4	19	16.4	14.3	12.7	13.5	13.6	15.2	